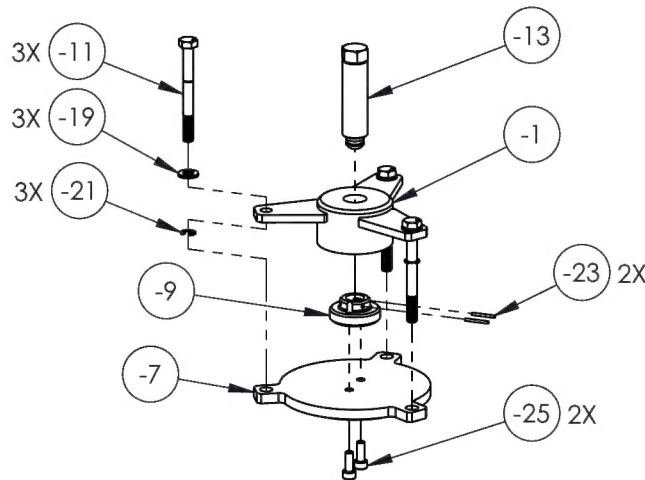
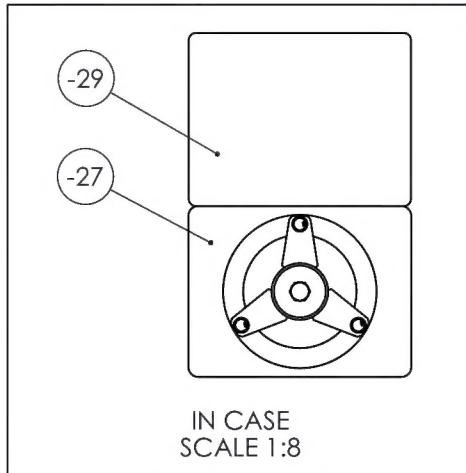
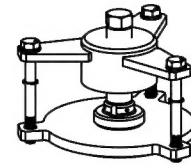


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	5/10/2016	DPD	JAG
2	16-0172	-1, -7, -9, -11, 13 CH'D FINISH WAS QMSI-6.2.2, REV D IS QSMI-6.2.2, B.O. REV D. -3 ADDED ENGRAVE T/N, S/N, "MADE IN USA" NOTE. -5 CH'D MATERIAL WAS 1018/1020 CR IS 4140/4142, ADDED HEAT TREAT RC 28-32. -7 CH'D MATERIAL WAS 1018/1020 CR IS 4140/4142, ADDED HEAT TREAT RC 28-32. -9 CH'D NOTE WAS P.F. -27 IS (P.F. -23). -27 CH'D DIM WAS 4X R.41 IS 4X 1.00 X 45°. -27 & -29 CH'D MATERIAL WAS Y20 BLACK I.R. SPECIALTY IS ETHAFOAM 220, BLACK, (CASE SOLUTIONS). -29 CH'D DIM WAS 4X R.29 IS 4X .50 X 45°.	10/14/2016	RJC	SM



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	EXTRACTOR WELDMENT			2
	1		-3		CENTER	1018/1020 CR		3
	3		-5		EAR	4140/4142		4
			-7	1	BASE PLATE	4140/4142		5
			-9	1	EXTRACTOR BOTTOM	1018/1020 CR		6
			-11	3	HEX HEAD CAP SCREW	STEEL	M8 X 1mm X 80mm (FASTENAL #38417) MODIFIED	7
X			-13	1	BOLT WELDMENT			8
1			-15		THREADED ROD	B7	M20 X 1.5mm X 100mm (MCMaster-CARR #95245A178) MOD.	9
1		B/O	-17		HEX NUT	STEEL	M12 X 1.75mm (MCMaster-CARR #90592A028)	8
		B/O	-19	3	WASHER	STEEL	M8 (MCMaster-CARR #91166A270)	1
		B/O	-21	3	E-CLIP	STEEL	Ø7-9mm SHAFT (MCMaster-CARR #98543A114)	1
		B/O	-23	2	DOWEL PIN	STEEL	M2 X 20mm (MCMaster-CARR #91595A034)	1
		B/O	-25	2	SOCKET HEAD CAP SCREW	STEEL	M6 X 1mm X 16mm (MCMaster-CARR #90128A263)	1
		B/O	-27	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	4.97 X 7.12 X 9.28 (CASE SOLUTIONS)	10
		B/O	-29	1	LID FOAM	ETHAFOAM 220, BLACK	1.20 X 7.21 X 9.25 (CASE SOLUTIONS)	11
		B/O	-31	1	CASE	PLASTIC	PELICAN #APP-1300-E	N/S
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
ASSY -13	ASSY -1							

NOTE:
REF. AIRBUS T/N: M622U3001101.

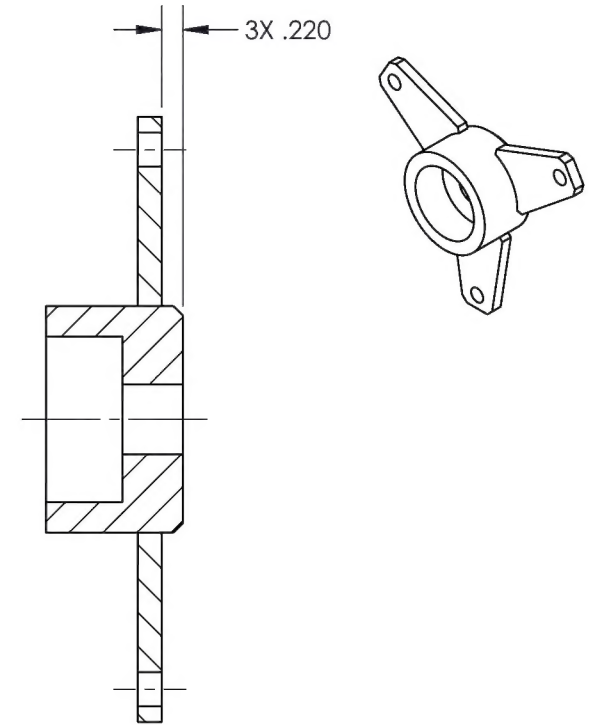
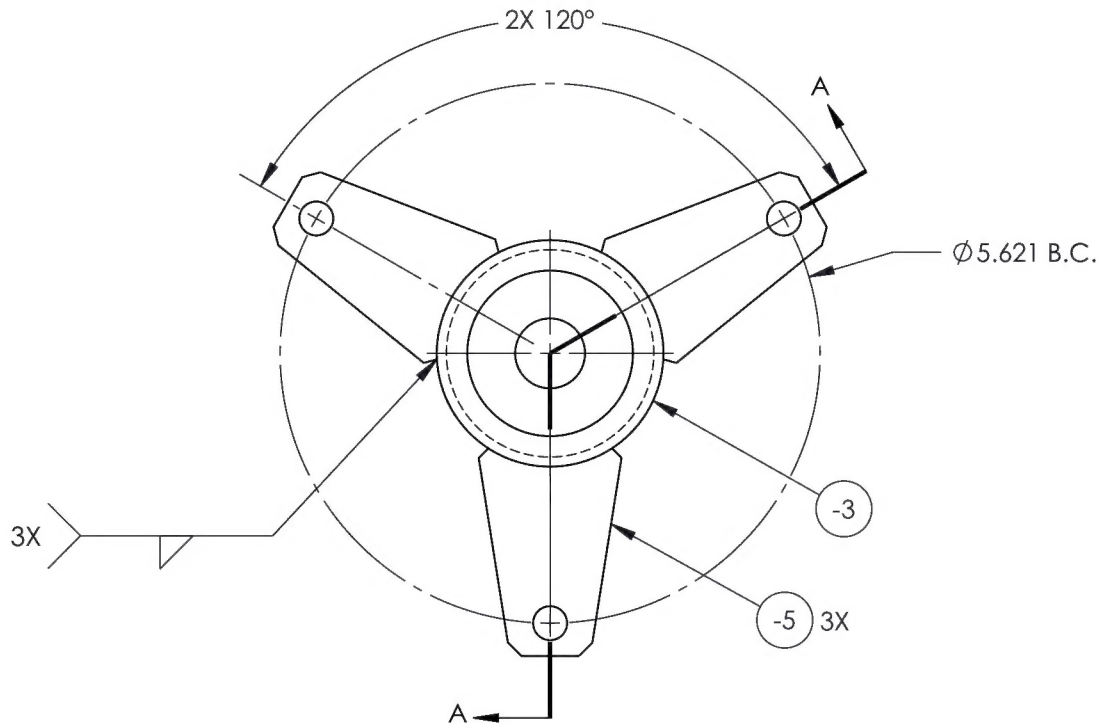


CONICAL EXTRACTOR

DWG NO.		RBEM622U3001101		REV 2
MAT'L		UNLESS OTHERWISE SPECIFIED		
HEAT TREAT		DIMENSIONS ARE IN INCHES		
FINISH		.XXX ± .005 FRACTIONS ± 1/8		
SPEC		.XX ± .01 ANGLES ± 5°		
DRAWN BY:		.X ± .1 SURFACES = 125°		
CHECKED:		1. BREAK ALL SHARP EDGES		
OPPS APPR:		.015 x 45° OR .015R		
QA APPR:		2. DIMENSIONAL LIMITS APPLY		
APPROVED:		AFTER PLATING		
SCALE		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
1:6		USED ON MODEL		
DATE		H175		
4/15/2016		SHEET 1 OF 11		

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	•1 CH'D FINISH WAS QMSI-6.2.2, REV D IS QSMI-6.2.2, B.O. REV D.	10/14/2016	RJC	SM



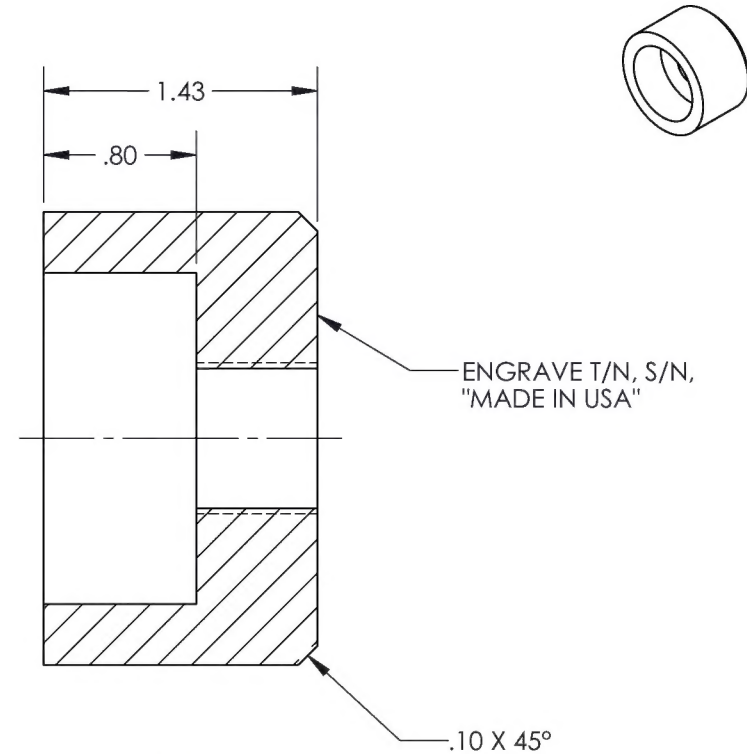
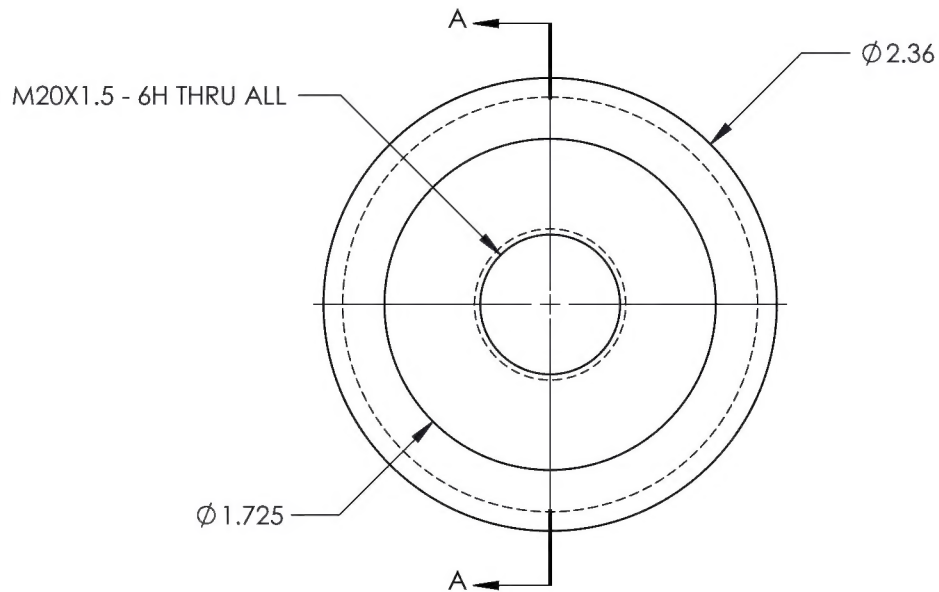
SECTION A-A

(1)
EXTRACTOR WELDMENT

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-1	REV 2
MAT'L REPT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DRAWN BY: DUERFELDT	
CHECKED: MACKOVJAK	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:2	DATE 4/15/2016
SHEET 2 OF 11	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	-3 ADDED ENGRAVE T/N, S/N, "MADE IN USA" NOTE.	10/14/2016	RJC	SM



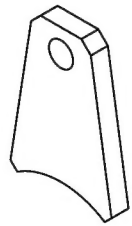
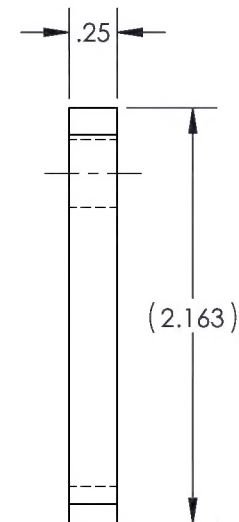
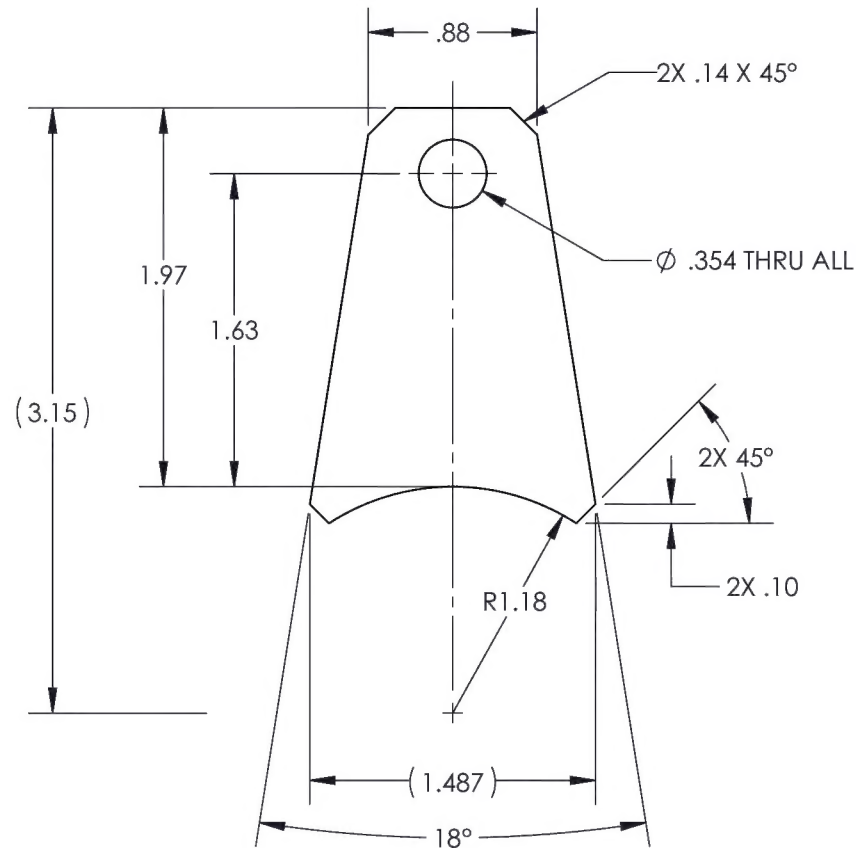
SECTION A-A

(3)
CENTER

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-3	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 4/15/2016
	SHEET 3 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	-5 CH'D MATERIAL WAS 1018/1020 CR IS 4140/4142, ADDED HEAT TREAT RC 28-32.	10/14/2016	RJC	SM

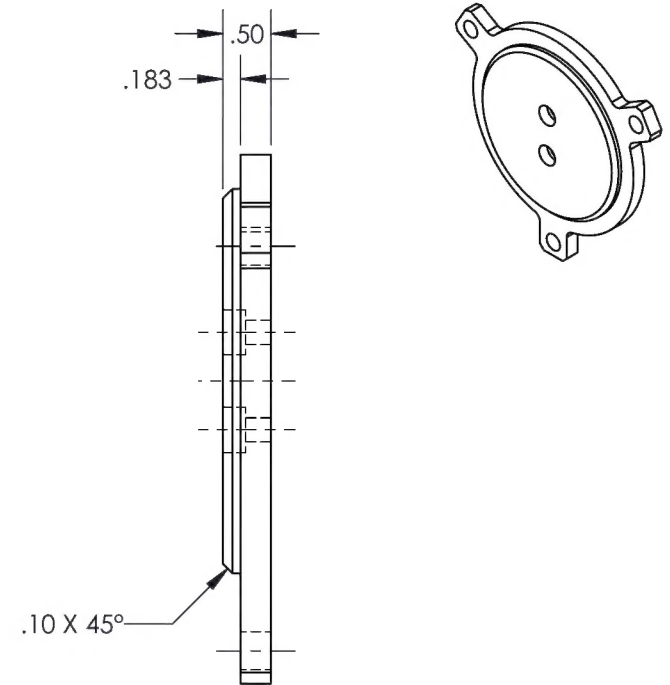
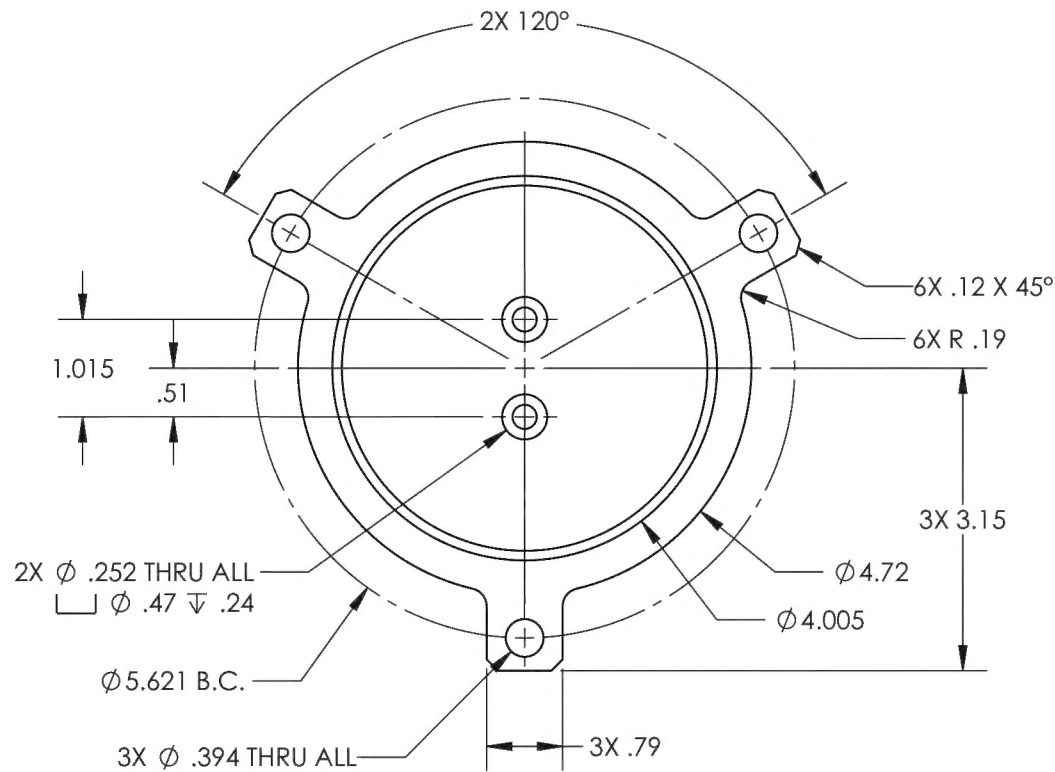


(5)
EAR

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-5	REV 2
MAT'L 4140/4142 HEAT TREAT RC 28-32 FINISH SEE -1 SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125✓
DRAWN BY: DUERFELDT CHECKED: MACKOVJAK OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
USED ON MODEL H175	
SCALE 1:1	DATE 4/15/2016
SHEET 4 OF 11	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	-7 CH'D FINISH WAS QMSI-6.2.2, REV D IS QSMI-6.2.2, B.O. REV D, CH'D MATERIAL WAS 1018/1020 CR IS 4140/4142, ADDED HEAT TREAT RC 28-32.	10/14/2016	RJC	SM

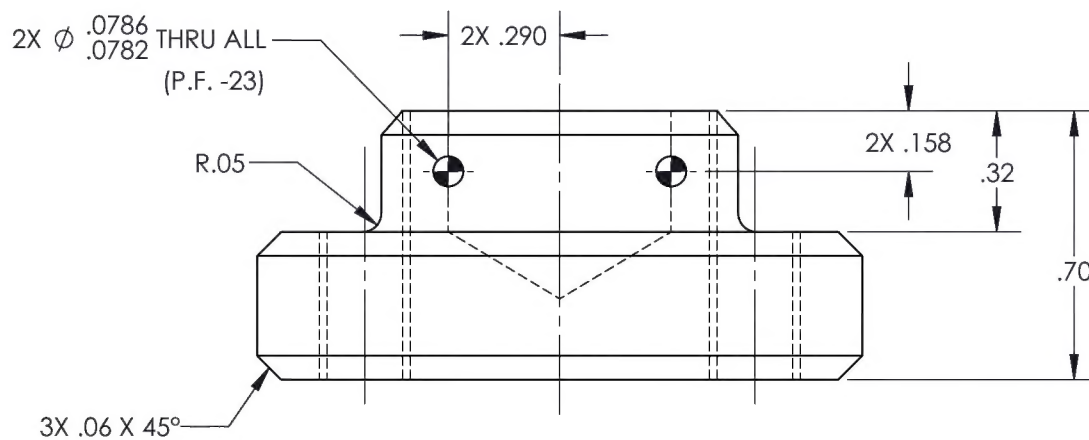
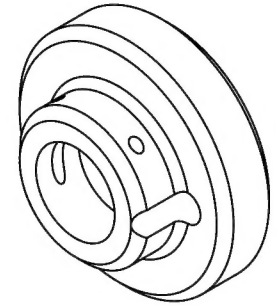
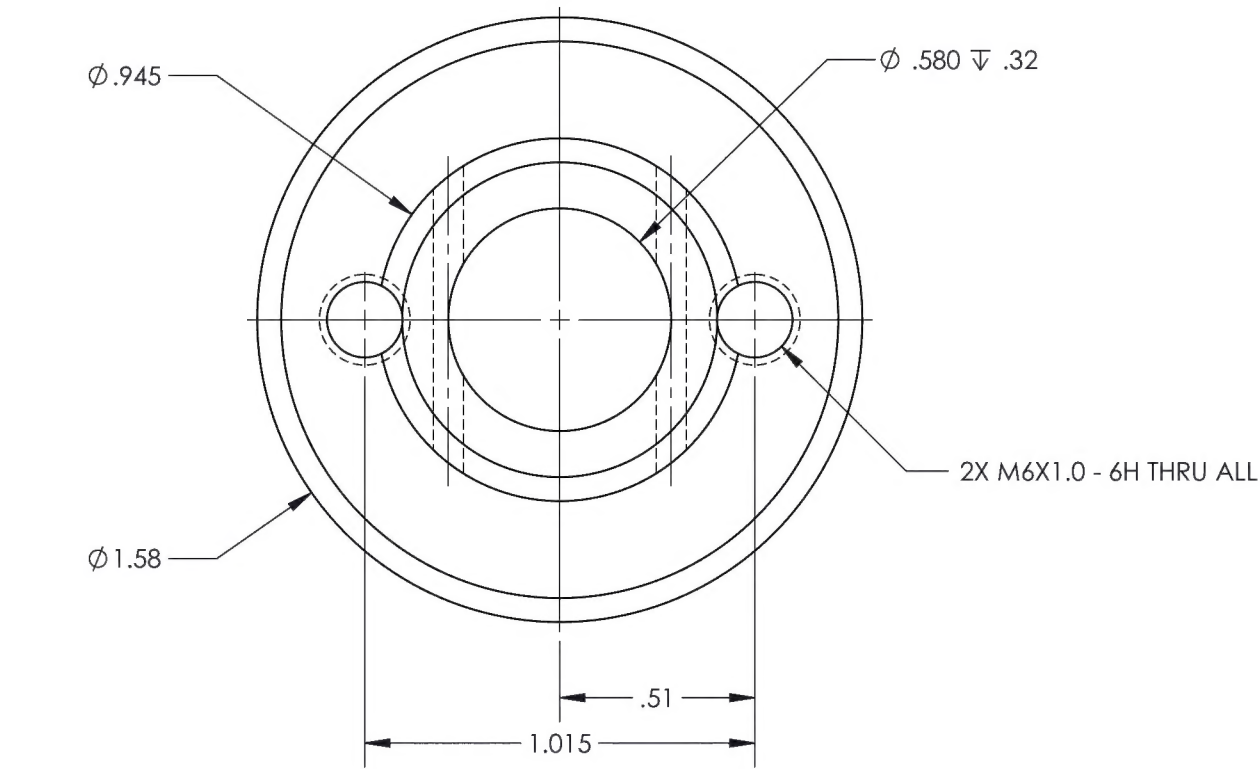


(-7)
BASE PLATE

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-7	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-32	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:2	DATE 4/15/2016
	SHEET 5 OF 11

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
2	16-0172	-9 CH'D FINISH WAS QMSI-6.2.2, REV D IS QSMI-6.2.2, B.O. REV D, CH'D NOTE WAS P.F. -27 IS (P.F. -23).	10/14/2016	RJC
				SM



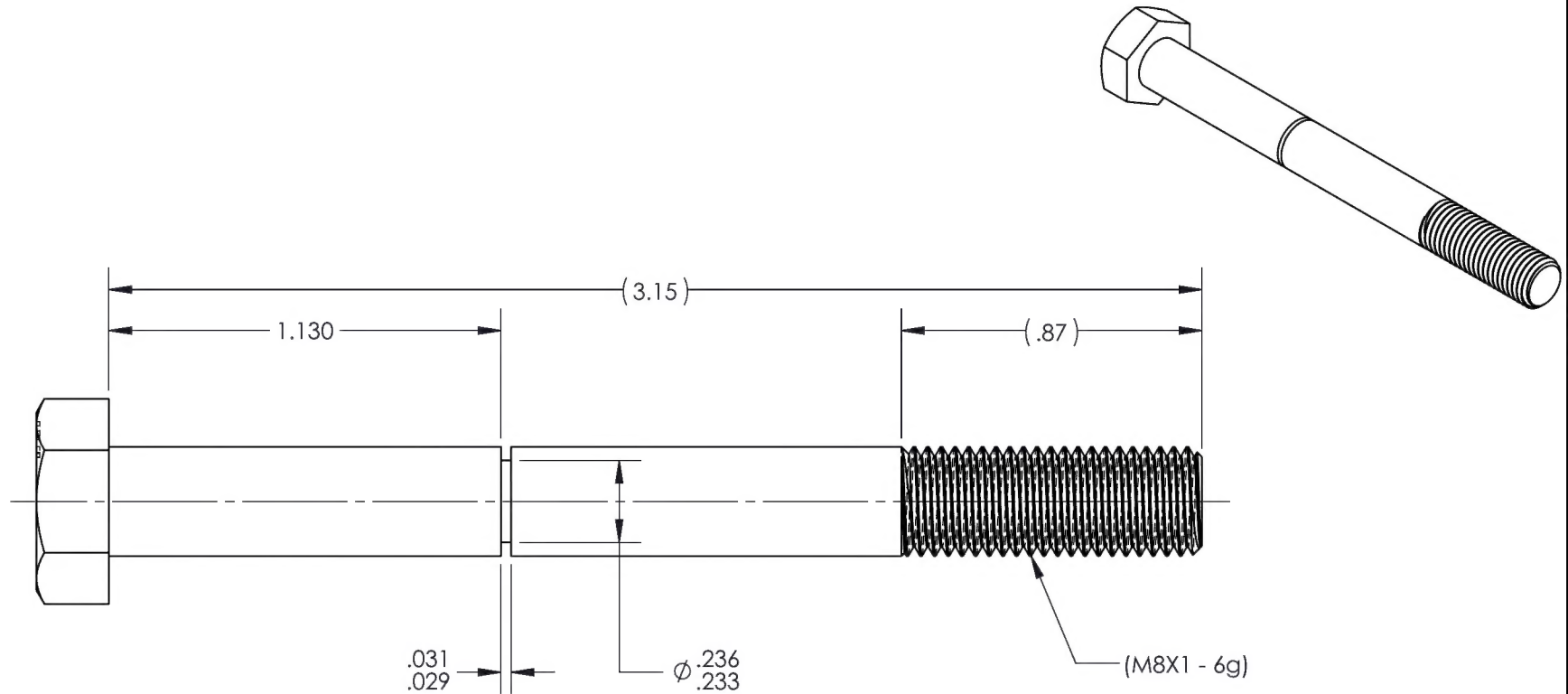
(-9)

EXTRACTOR BOTTOM

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-9	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX \pm .01 ANGLES \pm 5°
DRAWN BY: DUERFELDT	.X \pm .1 SURFACES = 125
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 4/15/2016
	SHEET 6 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	-11 CH'D FINISH WAS QMSI-6.2.2, REV D IS QSMI-6.2.2, B.O. REV D.	10/14/2016	RJC	SM



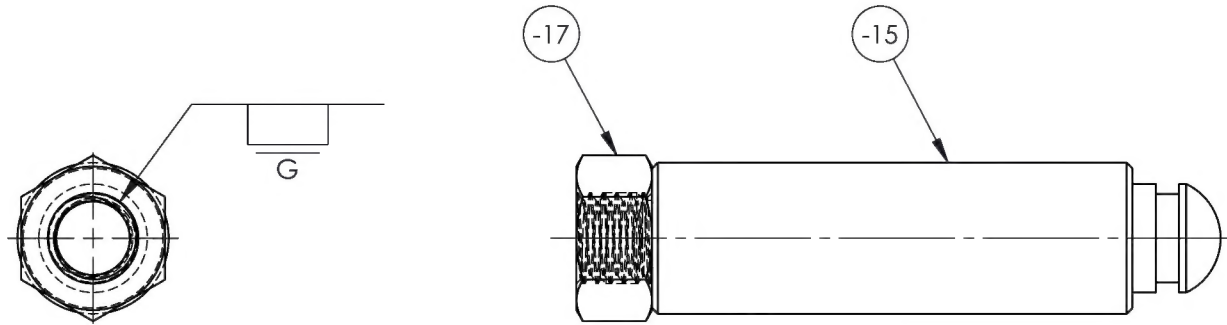
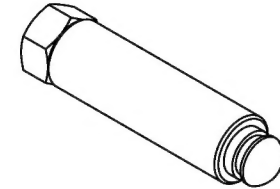
(-11)

HEX HEAD CAP SCREW

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-11	REV 2
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125° ✓
CHECKED: MACKOVJAK	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/15/2016	USED ON MODEL
SHEET 7 OF 11	H175

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	-13 CH'D FINISH WAS QMSI-6.2.2, REV D IS QSMI-6.2.2, B.O. REV D.	10/14/2016	RJC	SM



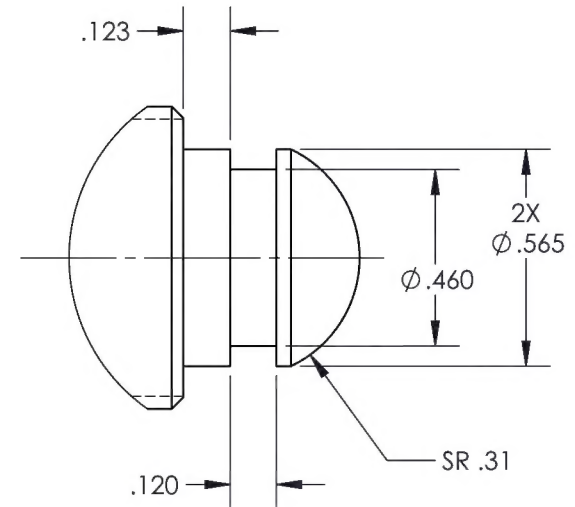
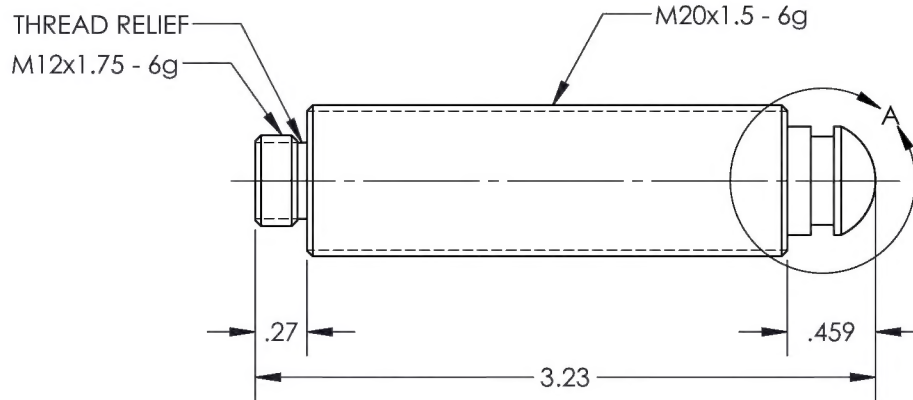
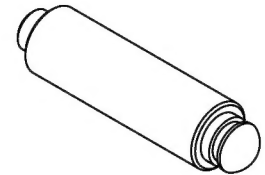
-13

BOLT WELDMENT

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-13	REV 2
MAT'L TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
QMSI-6.2.2, B.O. REV D	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: MACKOVJAK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:1	DATE 4/15/2016
SHEET 8 OF 11	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



DETAIL A
SCALE 2 : 1

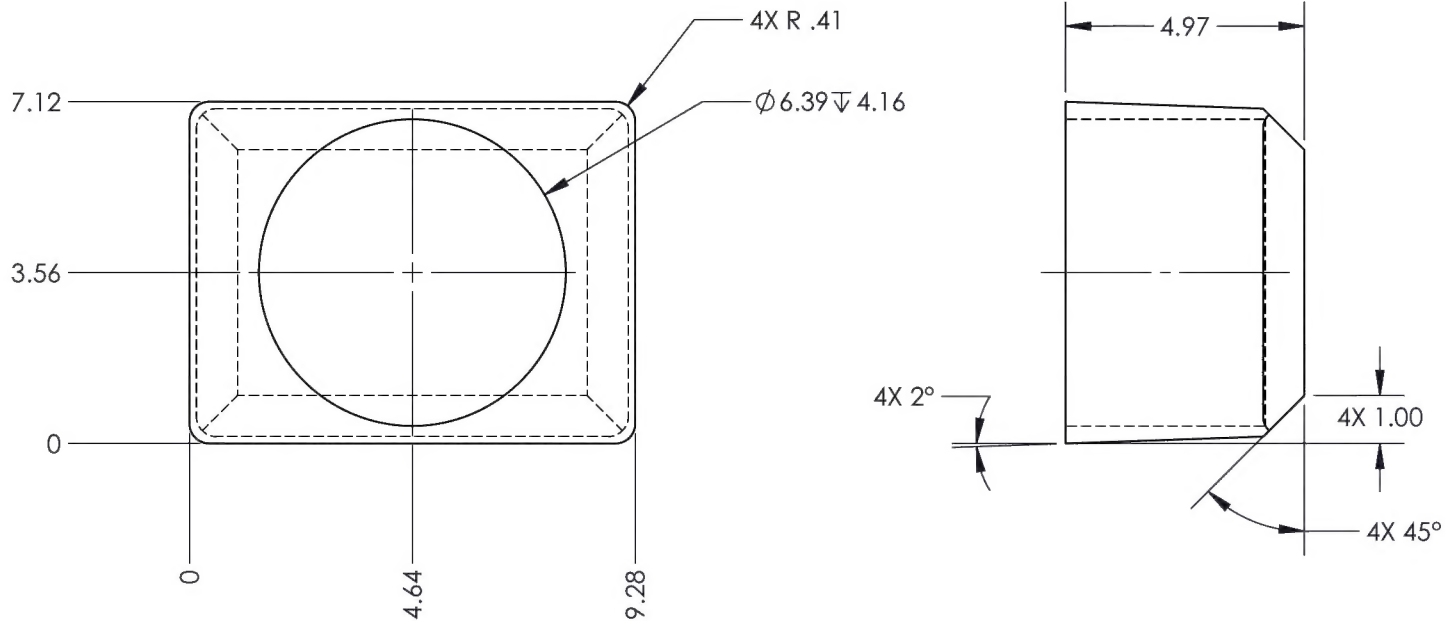
(-15)

THREADED ROD

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-15	REV 2
MAT'L B7	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -13	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 4/15/2016
	SHEET 9 OF 11

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	-27 CH'D DIM WAS 4X R.41 IS 4X 1.00 X 45°, CH'D MATERIAL WAS Y20 BLACK I.R. SPECIALTY IS ETHAFOAM 220, BLACK, (CASE SOLUTIONS).	10/14/2016	RJC	SM

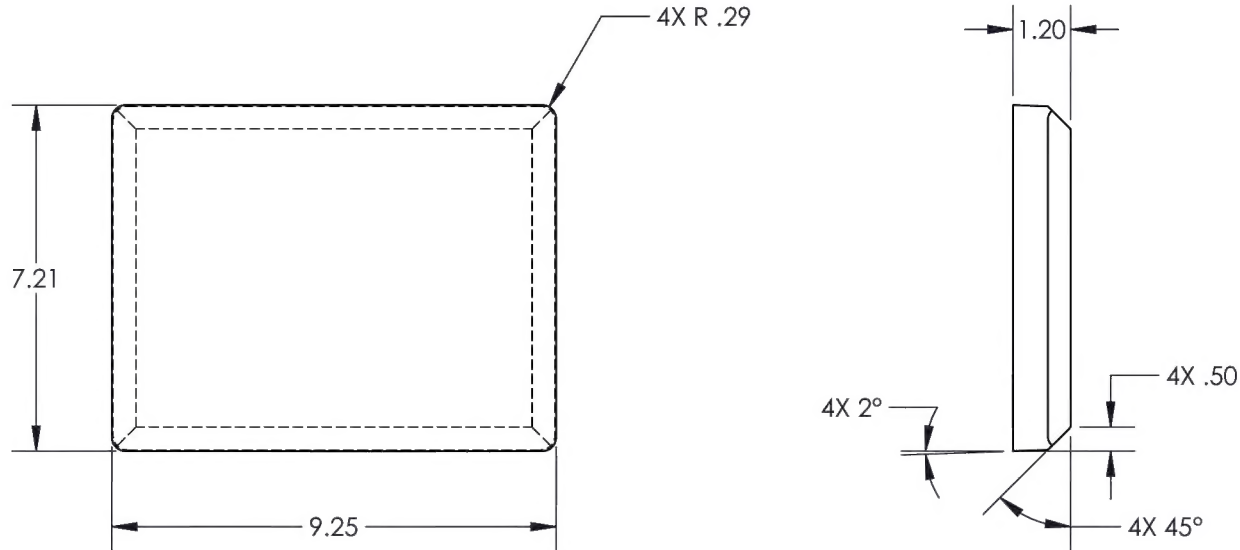


(-27)
BOTTOM FOAM

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-27	REV 2
MAT'L ETHAFOAM 220, BLACK	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TREAT 	.XXX \pm .010 FRACTIONS \pm 1/8
FINISH 	.XX \pm .03 ANGLES \pm 1°
SPEC 	.X \pm .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:4	DATE 4/15/2016
SHEET 10 OF 11	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0172	-29 CH'D DIM WAS 4X R.29 IS 4X .50 X 45°, CH'D MATERIAL WAS Y20 BLACK I.R. SPECIALTY IS ETHAFOAM 220, BLACK, (CASE SOLUTIONS).	10/14/2016	RJC	SM



(-29)
LID FOAM

DART AEROSPACE	
TITLE CONICAL EXTRACTOR	
DWG NO. RBEM622U3001101-29	REV 2
MAT'L ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125° ✓	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	MACKOVJAK
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL H175	
SCALE 1:4	DATE 4/15/2016
SHEET 11 OF 11	